

$\{f^{(1)}_{\alpha\beta}\} \in \mathcal{F}^{(1)}_{\alpha\beta}$  and  $\{f^{(2)}_{\alpha\beta}\} \in \mathcal{F}^{(2)}_{\alpha\beta}$  are the first and second order terms of the asymptotic expansion of  $f_{\alpha\beta}$  in  $\epsilon$ . The functions  $f^{(1)}_{\alpha\beta}$  and  $f^{(2)}_{\alpha\beta}$  are determined by the boundary conditions and the equations of motion. The functions  $f^{(1)}_{\alpha\beta}$  and  $f^{(2)}_{\alpha\beta}$  are determined by the boundary conditions and the equations of motion.

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